WHAT IS CLAIMED IS:

1.   An image processing device which can be connected to an information processing device, comprising:

5   authentication processing means for performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the

10   request;

display information transmission means for transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the

15   information processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing means; and

20   second authentication processing means for performing an authenticating process by reading authentication information about a card to be inserted into the information processing device, wherein

25   when a request from an operation unit of the image processing device is recognized based on the authentication result by said second authentication

processing means, the image processing device is operable by said operation unit.

2. An image processing device which can be
5   connected to an information processing device, comprising:

first authentication input means for inputting, in response to a request from the information processing device, authentication information from
10   the information processing device for authenticating the request;

second authentication input means for inputting authentication information input from an operation unit of the image processing device or a card reader;
15   authentication processing means for performing an authenticating process according to authentication information input by said first authentication input means or said second authentication input means, and authentication information in the image processing
20   device; and

display information transmission means for transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the
25   information processing device by presenting information about the image processing device when a request from the information processing device is

recognized based on an authentication result by said authentication processing means, wherein

when an operation in the operation unit or a request from the information processing device does

5 not match an operation being performed in the image processing device, the operation in the operation unit or the request from the information processing device is accepted based on an authentication result by said authentication processing means.

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3. An image processing device which can be connected to an information processing device, comprising:

authentication processing means for performing,

15 in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

20 display information transmission means for transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the information processing device by presenting

25 information about the image processing device when a request from the information processing device is recognized based on an authentication result by said

authentication processing means; and

second authentication processing means for performing an authenticating process according to authentication information input by an operation unit

5 of the image processing device or a card reader, wherein

when a request from the operation unit is accepted based on an authentication result by said second authentication processing means, a request to

10 operate the image processing device from the information processing device is not accepted.

4. An image processing device which can be connected to an information processing device,

15 comprising:

authentication processing means for performing, in response to a request from the information processing device, an authenticating process according to authentication information from the

20 information processing device for authenticating the request;

display information transmission means for transmitting, from the image processing device to the information processing device, display information

25 describing screen contents for operating the information processing device by presenting information about the image processing device when a

request from the information processing device is recognized based on an authentication result by said authentication processing means;

second authentication processing means for performing an authenticating process by reading authentication information input by an operation unit of the image processing device or a card reader, wherein

when a request from the information processing device is accepted based on an authentication result by said authentication processing means, a request to operate the image processing device from the information processing device is not accepted.

5. The image processing device according to claim 1, wherein:

said authentication processing means and said second authentication processing means perform an authenticating process on the same authentication information as authentication information set in the image processing device.

6. The image processing device according to claim 1, further comprising:

identification information transmission means for issuing identification information to the information processing device when a request from the

information processing device is recognized based on an authentication result by said authentication processing means, and transmitting the identification information from the image processing device to the

5   information processing device; and

determination means for determining, in response to a request from the information processing device whether or not the identification information transmitted by said identification information

10   transmission means is added to the request, wherein

when said determination means determines that the identification information is added, said display information transmission means transmits the display information without an authenticating process by said

15   authentication processing means.

7.   The image processing device according to claim 1, wherein:

said display information is described in an

20   HTML; and

said request from the information processing device and said display information are transmitted and received according to an HTTP.

25   8.   The image processing device according to claim 2, further comprising:

conversion means for converting a request for

authentication input by said first authentication
input means and a request for authentication input by
said second authentication input means into a format
interpretable by said authentication processing means.

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9.   An information processing method for use
by an image processing device which can be connected
to an information processing device, comprising:

an authentication processing step for
10   performing, in response to a request from the
information processing device, an authenticating
process according to authentication information from
the information processing device for authenticating
the request;

15   a display information transmission step for
transmitting, from the image processing device to the
information processing device, display information
describing screen contents for operating the
information processing device by presenting
20   information about the image processing device when a
request from the information processing device is
recognized based on an authentication result by said
authentication processing step; and

a second authentication processing step for
25   performing an authenticating process by reading
authentication information about a card to be
inserted into the information processing device,

wherein

when a request from an operation unit of the image processing device is recognized based on the authentication result by said second authentication
5   processing step.

10.   An information processing method for use by an image processing device which can be connected to an information processing device, comprising:
10   a first authentication input step for inputting, in response to a request from the information processing device, authentication information from the information processing device for authenticating the request;
15   a second authentication input step for inputting authentication information input from an operation unit of the image processing device or a card reader;

an authentication processing step for
20   performing an authenticating process according to authentication information input by said first authentication input step or said second authentication input step, and authentication information in the image processing device; and
25   a display information transmission step for transmitting, from the image processing device to the information processing device, display information

describing screen contents for operating the
information processing device by presenting
information about the image processing device when a
request from the information processing device is

5   recognized based on an authentication result by said
authentication processing step, wherein

when an operation in the operation unit or a
request from the information processing device does
not match an operation being performed in the image

10   processing device, the operation in the operation
unit or the request from the information processing
device is accepted based on an authentication result
by said authentication processing step.

15   11.   An information processing method for use
by an image processing device which can be connected
to an information processing device, comprising:

an authentication processing step for
performing, in response to a request from the

20   information processing device, an authenticating
process according to authentication information from
the information processing device for authenticating
the request;

a display information transmission step for

25   transmitting, from the image processing device to the
information processing device, display information
describing screen contents for operating the

information processing device by presenting
information about the image processing device when a
request from the information processing device is
recognized based on an authentication result by said
5   authentication processing step; and

     a second authentication processing step for
performing an authenticating process according to
authentication information input by an operation unit
of the image processing device or a card reader,
10   wherein

     when a request from the operation unit is
accepted based on an authentication result by said
second authentication processing step, a request to
operate the image processing device from the
15   information processing device is not accepted.

     12.   An information processing method for use
by an image processing device which can be connected
to an information processing device, comprising:
20   an authentication processing step for
performing, in response to a request from the
information processing device, an authenticating
process according to authentication information from
the information processing device for authenticating
25   the request;

     a display information transmission step for
transmitting, from the image processing device to the

information processing device, display information
describing screen contents for operating the
information processing device by presenting
information about the image processing device when a

5   request from the information processing device is
recognized based on an authentication result by said
authentication processing step;

a second authentication processing step for
performing an authenticating process by reading

10   authentication information input by an operation unit
of the image processing device or a card reader,
wherein

when a request from the information processing
device is accepted based on an authentication result

15   by said second authentication processing step, a
request to operate the image processing device from
the information processing device is not accepted.

13.   The image processing method according to
20   claim 9, wherein

said authentication processing step and said
second authentication processing step perform an
authenticating process on the same authentication
information as authentication information set in the
25   image processing device.

14.   The image processing method according to

claim 9, further comprising:

an identification information transmission step for issuing identification information to the information processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing step, and transmitting the identification information from the image processing device to the information processing device; and

a determination step for determining, in response to a request from the information processing device whether or not the identification information transmitted by said identification information transmission step is added to the request, wherein

when said determination step determines that the identification information is added, said display information transmission step transmits the display information without an authenticating process by said authentication processing step.

15. The image processing method according to claim 9, wherein:

said display information is described in an HTML; and

said request from the information processing device and said display information are transmitted and received according to an HTTP.

16. The image processing method according to claim 10, further comprising:

a conversion step for converting a request for authentication input by said first authentication input step and a request for authentication input by said second authentication input step into a format interpretable by said authentication processing step.

17. A control program for controlling an information processing method for use by an image processing device which can be connected to an information processing device and perform the process comprising:

an authentication processing step for performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

a display information transmission step for transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the information processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result by said

authentication processing step; and

a second authentication processing step for performing an authenticating process by reading authentication information about a card to be inserted into the information processing device, wherein

when a request from an operation unit of the image processing device is recognized based on the authentication result by said second authentication processing step.

18.   A control program for controlling an information processing method for use by an image processing device which can be connected to an information processing device and perform the process comprising:

a first authentication input step for inputting, in response to a request from the information processing device, authentication information from the information processing device for authenticating the request;

a second authentication input step for inputting authentication information input from an operation unit of the image processing device or a card reader;

an authentication processing step for performing an authenticating process according to

authentication information input by said first authentication input step or said second authentication input step, and authentication information in the image processing device; and

5   a display information transmission step for transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the information processing device by presenting

10   information about the image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing step, wherein

when an operation in the operation unit or a

15   request from the information processing device does not match an operation being performed in the image processing device, the operation in the operation unit or the request from the information processing device is accepted based on an authentication result

20   by said authentication processing step.

19.   A control program for controlling an information processing method for use by an image processing device which can be connected to an

25   information processing device and perform the process comprising:

an authentication processing step for

performing, in response to a request from the
information processing device, an authenticating
process according to authentication information from
the information processing device for authenticating
5   the request;

        a display information transmission step for
transmitting, from the image processing device to the
information processing device, display information
describing screen contents for operating the
10 information processing device by presenting
information about the image processing device when a
request from the information processing device is
recognized based on an authentication result by said
authentication processing step; and

15   a second authentication processing step for
performing an authenticating process according to
authentication information input by an operation unit
of the image processing device or a card reader,
wherein

20   when a request from the operation unit is
accepted based on an authentication result by said
second authentication processing step, a request to
operate the image processing device from the
information processing device is not accepted.

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        20.   A control program for controlling an
information processing method for use by an image

processing device which can be connected to an
information processing device and perform the process
comprising:

an authentication processing step for performing,

5   in response to a request from the information
processing device, an authenticating process
according to authentication information from the
information processing device for authenticating the
request;

10   a display information transmission step for
transmitting, from the image processing device to the
information processing device, display information
describing screen contents for operating the
information processing device by presenting

15   information about the image processing device when a
request from the information processing device is
recognized based on an authentication result by said
authentication processing step;

a second authentication processing step for

20   performing an authenticating process by reading
authentication information input by an operation unit
of the image processing device or a card reader,
wherein

when a request from the information processing

25   device is accepted based on an authentication result
by said authentication processing step, a request to
operate the image processing device from the
information processing device is not accepted.